

Mirage 10000



The world's brightest stereoscopic 3D projector!

Christie's Mirage 10000 offers the world's brightest stereoscopic single-projector solution for power walls, simulation and entertainment environments. The Mirage 10000 can provide both active or passive stereoscopic display at a much lower maintenance cost than typical film or analog 3D solutions today.

Based on XGA 3-chip DLP™ technology, the Mirage 10000 delivers an unprecedented 10000 ANSI lumens brightness at 1024 x 768 resolution. Unlike 35mm or 70mm projection technology that requires two film projectors or other stacked analog projectors to achieve 3D effect, the Mirage 10000 is fully digital and requires only one projector for cost-efficient high brightness 3D stereoscopic images.

At the heart of the Mirage 10000 are Christie-designed electronics that provide high bandwidth, frame rates, pixel and clock speeds resulting in the most advanced digital signal processing for all types of stereo images. This design employs dark interval adjustments (DIA™) control that enhances the overall stereo effect by fine-tuning the critical time between left and right fields.

The Mirage 10000 utilizes a 1900W Xenon illumination system specially designed to display large stereoscopic images. The Intelligent Lens System (ILS™) provides the ability to recall focus, zoom and positioning settings of each source input, allowing the projector to display multiple aspect ratios correctly sized and positioned on the same screen.

Christie's own advanced optical alignment technique, known as Spatial Light Imaging Construction (SLIC™) sets a new quality standard that guarantees optimum focus and convergence accuracy. The Mirage 10000 delivers the biggest, brightest images – unmatched performance guaranteed.

Recreate Reality...with Mirage!

- Single Projector Active Stereoscopic Solution
- 3-Chip DMD™ Optical System
- 10000 ANSI lumens
- XGA resolution
- 1900W Xenon illumination system
- 300:1 ANSI contrast ratio
- Wide array of optional lenses
- ILS™ (Intelligent Lens System)
- DIA™ (Dark Interval Adjustment)

APPLICATIONS

- | | |
|----------------------------|--------------------|
| • Immersive Environments | • Vis Sim |
| • 3D Computer-aided Design | • Simulation |
| • Virtual Reality | • 3D Entertainment |


CHRISTIE
Project. Present. Perform.

Mirage 10000 • Specifications

Brightness

- 10000 ANSI lumens +/- 10%
- Over 90% brightness uniformity

Contrast Ratio

- 300:1 ANSI, 500:1 full field

Resolution

- 1024 x 768 true resolution with resizing capabilities to scale down from 1280 x 1024 and scale up from 640 x 480
- 16.7 million displayable colors
- 3-DMD™ Optical System (SLIC™)
- 13-bit user selectable gamma table

Horizontal Frequency

- 15kHz to 120kHz

Vertical Frequency

- 24Hz to 120Hz

Dot Clock

- 160 MHz

Stereoscopic Source Compatibility

- Active stereo XGA with vertical refresh rates up to 120Hz, with one field delay, without frame dropping
- In 3D mode, inputs must be in RGB

Enhanced Feature Set

- Variable lamp power (1.4 - 1.9kW on lamp)
- Intuitive on-screen display (OSD)
- Service functions can be password protected
- Multiple language support
- 100 channel memories
- Dark Interval Adjustment (DIA™)
- Auto set-up feature

Control/Networking

- Auto power-up
- Dual RS232 and dual RS422 communication port
- IR Remote keypad

Standard Accessories

- IR (infrared) remote keypad - includes batteries
- User manual
- Warranty Registration Card
- 4 eyebolts for hoisting: 1/2" - 13 x 1 1/2"

Optional Accessories

- Wired two-way remote controller (RS422) with LCD display
- Remote IR sensor
- Replacement lamp kit
- Multi-standard video decoder (NTSC 3.58, NTSC 4.43, PAL, PAL 60, PAL M, PAL N, SECAM)
- DVI/DFP module
- Digital HDTV module (SMPTE 292)
- Service manual
- Vista compatible analog input modules
- Compatible with selected third party switchers
- Librarian communication software

FEATURES



- Christie-designed electronics provide the most advanced digital signal processing for all types of stereo images.



- The Mirage 10000 is fully digital and requires only one projector to produce stereoscopic images.



- Intelligent Lens System (ILS™) recalls focus, zoom and positioning settings of each input source.

Field Interchangeable Optional Lenses

- Fixed short throw lens: 0.8:1
- Zoom lenses: 1.5-2.5:1, 2.5-4:1, 4-7:1
- Vertical lens offset: Up to 100% for off-axis projection
- Horizontal lens offset: Up to 75%
- Intelligent Lens Systems (ILS™); automatic adjustment of zoom (with zoom collar), focus, vertical and horizontal lens offset
- Lens mount tilt adjustment
- Built-in light shutter
- Screen size 72" to 480" (1.8m - 12.2m) diagonal image size (lens dependent)
- Motorized lens mount

Dynamic Scaling

- Resizing processing for computers and workstations up to 1600 x 1200 resolution
- Independent horizontal and vertical image size adjustment for graphics and video

Inputs

- Input 1: Analog RGB 5 BNC for RGBHV, YPrPb, YCbCr and YUV
- Input 2: Optional plug-in input modules
- Separate, composite sync and sync-on-green compatible
- HDTV Tri level sync compatible for all known HDTV formats

- Front and rear IR receiver
- Optional 2-way controller RS422
- Built-in backlit keypad

Lamp Specifications

- 1900W Xenon® lamp
- Color temperature range 3200K to 9300K
- Over 1000 hours of lamp life
- User replaceable lamp

Power Requirements

- Voltage range: AC 220 - 240V +/- 10%
- Line frequency: 50 - 60 Hz nominal
- Power consumption: 2800W maximum
- In-rush current rating: 60A maximum
- Current rating: 14 Amps maximum at 200VAC

Environmental

- Operating temperature: 0 - 35° C
- Operating humidity: 20 - 80% non-condensing

Diagnostics

- Built-in diagnostics LCD display indicates operational status and error messages
- Power and status LEDs
- Full diagnostics through RS232 9-pin D connector

Size and Weight

- 220 lbs. (100 kg)
- 29" W x 54" L x 16" H
- 73.7cm W x 137.2cm L x 40.6cm H

- Serial Digital Input (SMPTE 259M/CCIR 601)
- 10-bit ADP (Advanced Digital Processing) used in non-stereo mode
- Arbitrary Gamma Table Software
- Wired remote backlit keypad
- Optional sound reduction kits

Regulatory Approvals

- Safety: CSA C22.2 No. 950, UL 1950, EN609050 European Norm "Safety of Information Technology Equipment"
- 47CFR 2 and 15 (FCC) Class A - US - Conducted and Radiated Emissions Standards
- CRC 1374 (DOC) Class A - Canadian - Conducted and Radiated Emissions Standards
- Emissions per EN50081-1; Immunity per EN50082-1
- ESD Susceptibility: EN61000-4-3 Level 3
- Radiated Susceptibility: EN61000-4-3 Level 3
- EFT/Burst: EN61000-4-4 Level 4
- Input transient protection: EN61000-4-5 Level 3

Warranty

- 1 year parts and labor
- Accessories: One year

Head Offices

USA
10550 Camden Drive
Cypress, CA 90630
PH: +714-236-8610
FX: +714-503-3385
Toll free: (800) 407-7727 (NA only)
sales-us@christiedigital.com

CANADA

809 Wellington Street North
Kitchener, Ontario N2G 4Y7
PH: +519-744-8005
FX: +519-749-3136
Toll free: (800) 265-2171 (NA only)
sales-canada@christiedigital.com

Branch Offices

UNITED KINGDOM
PH: +44 118 977 8000
FX: +44 118 977 8100
sales-europe@christiedigital.com

SINGAPORE

PH: +65 6877-8737
FX: +65 6877-8747
sales-singapore@christiedigital.com

FRANCE

PH: +33 (0) 1 47 48 28 07
FX: +33 (0) 1 47 48 26 06
Mobile: +33 (0) 6 76 47 43 62
sales-france@christiedigital.com

GERMANY

PH: +49 2161 664540
FX: +49 2161 664546
sales-europe@christiedigital.com

CHINA

PH: +86 21 6278 7708
FX: +86 21 6278 7707
sales-china@christiedigital.com

